

# San Francisco Bay Conservation and Development Commission

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**TO:** Commissioners and Alternates

**FROM:** Lawrence J. Goldzband, Executive Director (415/352-3653; [larry.goldzband@bcdc.ca.gov](mailto:larry.goldzband@bcdc.ca.gov))  
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**SUBJECT:** **Staff Report and Recommendation on a Contract with AECOM to Provide Hydrodynamic Analysis and Mapping to Support the Development of a Vulnerability Assessment and Adaptation Plan for the East Portion of Contra Costa County**  
(For Commission consideration on September 7, 2017)

## Summary

The staff recommends that the Commission authorize the Executive Director to execute a contract with AECOM, which would provide up to \$75,000 over 12 months to conduct hydrodynamic modeling and detailed shoreline mapping to support the Adapting to Rising Tides East Contra Costa Project. These funds, which were included as part of the Commission contract with the Delta Stewardship Council (approved June 15, 2017), will provide coastal engineering expertise and products needed to complete the project. The staff also recommends that the Commission authorize the Executive Director to amend the contract in the future, as long as the amendment does not involve substantial changes in either the scope or amount of the contract, and to extend the term of the contract, if necessary.

## Staff Report

**Background.** The Commission approved a contract with the Delta Stewardship Council on June 15, 2017 to conduct a shoreline adaptation planning project for East Contra Costa County extending from Bay Point to Discovery Bay. ART staff will work with local jurisdictions, agencies, and organizations in Contra Costa County, as well as regional, state and federal agencies, to understand the vulnerabilities and consequences communities may face, including: identifying any disproportionate impact among community members, the disruption of transportation and utility infrastructure, the loss of employment sites, and limitations on access to goods and services.

This contract with AECOM will provide the detailed shoreline mapping and analysis needed for commission staff and partners to fully understand the current and future flood risks in Contra Costa County. AECOM will work with Anchor QEA to develop a set of flood maps for the East Contra Costa County shoreline that will match those produced for other parts of the county and maps that have been produced for the entire Bay Area. This work in East Contra Costa County will complete the regional mapping for the Bay Area. The consultant team will adapt the approach they have used in the Bay to address the specific hydrodynamic environment of the Sacramento-San Joaquin Delta in East Contra Costa County, including the challenge of combined coastal and fluvial flooding.

The products developed by AECOM will be essential for the East Contra Costa ART project and will inform ongoing regional efforts, including the ART Bay Area Project, being conducted in partnership with MTC, Caltrans and the Bay Area Regional Collaborative (BARC) which will inform the update to the Sustainable Communities Strategy (2021), and the ART Bay Area Sea Level Rise Analysis and Mapping project. Accordingly, staff recommends that the Commission authorize the Executive Director to: (1) execute a contract with AECOM to provide up to \$75,000 over 12 months to AECOM for consulting services in the planning effort for East Contra Costa County; and (2) amend the contract, as long as the amendment does not involve substantial changes in either the scope or amount of the contract, and to extend the term of the contract, if necessary.